

P07 41795



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

June 21, 2000

In re application of: Carol W. Readhead, Robert Winston,  
H. Phillip Koeffler and Carsten Müller  
Serial No.: 09/292,723  
Filed on: April 15, 1999  
Title: TRANSFECTION, STORAGE AND TRANSFER OF MALE GERM  
CELLS FOR GENERATION OF TRANSGENIC SPECIES &  
GENETIC THERAPIES

Examiner: Unknown  
Group: 1632

**TRANSMITTAL OF FORMAL DRAWINGS**

Assistant Commissioner for Patents  
Washington, D. C. 20231

Attention: Drawing Review Branch

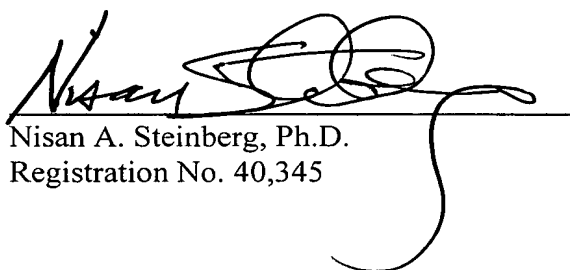
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO DRAWING REVIEW BRANCH, THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D. C. 20231,  
ON June 21, 2000  
DATE  
BY ANN WEISS  
June 21, 2000  
(DATE OF SIGNATURE)

Sir:

Transmitted herewith for filing in the above-identified application are nine sheets of formal drawings.

Respectfully submitted,

PRETTY, SCHROEDER & POPLAWSKI, P.C.

  
Nisan A. Steinberg, Ph.D.  
Registration No. 40,345

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TECH CENTER 1600/2000

*Cyclin A1 promoter fragment*  
(-1299 +144)

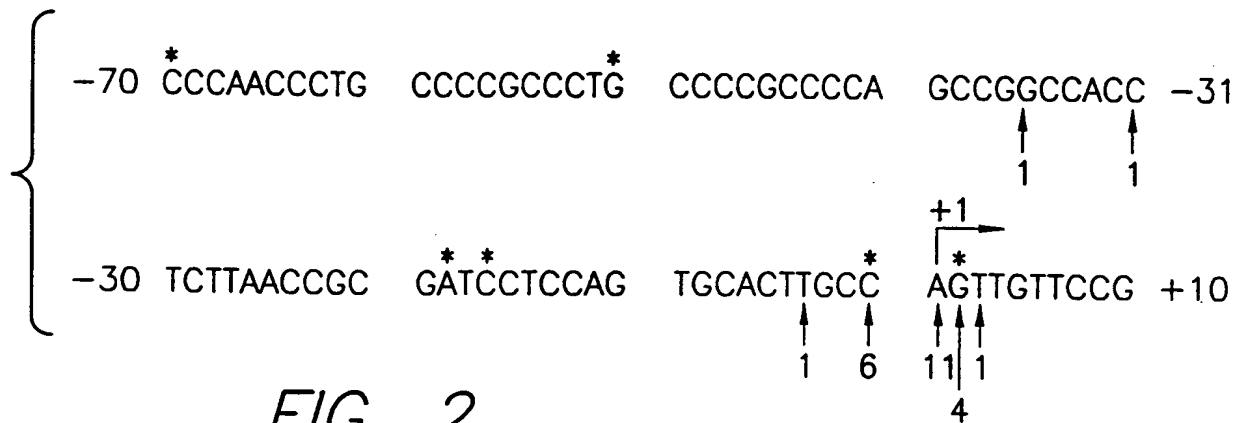
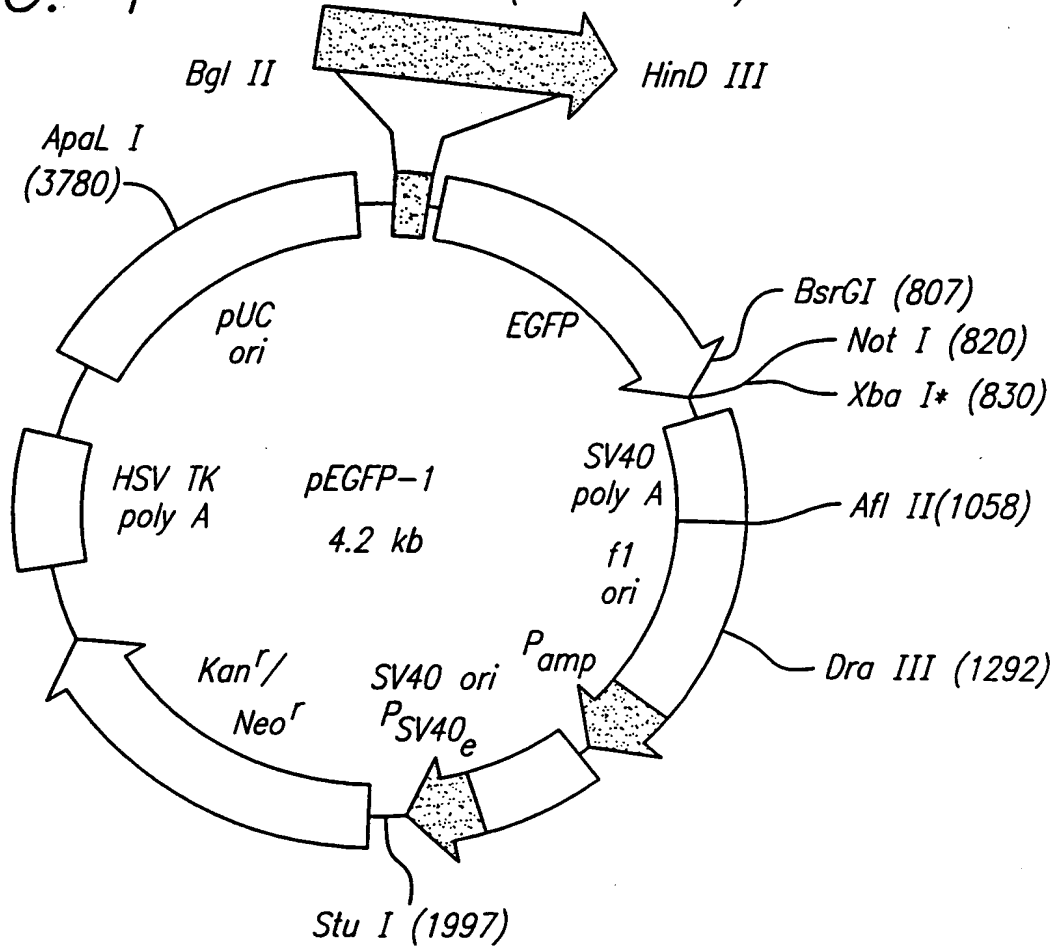


FIG. 2

## FIG. 3

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 -1249 AGTAACAGAC TATAGCATTG GTAATGTGTG TGTGCATATA TACATATTAT  
 -1199 TTTTAAAAAA ATAAAGTTCG ATTATTTTAC CTGGCTTGTC AGTCACCTAT  
 -1149 GCAGGCGTCT GAGCCCCCGG GTTTCCAGGA GCCCCCCGTA TAAGGACCCC  
 -1099 AGGGACTCCT CTCCCCACGC GGCCGGGCGG CCCGCCCGGC CCCAGCCCCG  
 -1049 GAGAGCTGCC ACCGACCCCC TCAACGTCCC AAGCCCCAGC TCTGTCGCCC  
 -0999 GCGTTCCTTC CTCTTCCTGG GCCACAATCT TGGCTTTCCC GGGCCGGCTT  
 -0949 CACGCAGTTG CGCAGGAGCC CGCGGGGGAA GACCTCTCGT GGGGACCTCG  
 -0899 AGCACGACGT GCGACCCTAA ATCCCCACAT CTCCTCTGCC GCCTCGCAGG  
 -0849 CCACATGCAC CGGGAGCCGG GCGGGGCAGG CGCGGCCCGC AAGGACCCCC  
 -0799 GCGATGGAGA CGCAACACTG CCGCGACTGC ACTTGGGGCA GCCCCGCCGC  
 -0749 GTCCAGCCG CCTCCCGGCA GGAAGCGTAG GTGTGTGAGC CGACCCGGAG  
 -0699 CGAGCCGCGC CTCGGGCCA GCGTGGGCAG GGCGCCGAG CCTGCGCAGC  
 -0649 CCCGAGGACC CCGCGTCGCT CTCCCGAGCC AGGGTTCTCA GGAGCGGGCC  
 -0599 GCGCAGGAGA CGTTAGAGGG GGTGTGTTAGC GGCTGTTGGG AGAACGGGTC  
 -0549 ACGGAAACAG TCCCTTCCAA AGCCGGGGCC ATCGTGGGGT GGGCGAGTCC  
 -0499 GCCCTCCAG GCCGGGGGCG CGGACCAGAG GGGACGTGTG CAGACGGCCG  
 -0449 CGGTCAGCCC CACCTCGCCC GGGCGGAGAC GCACAGCTGG AGCTGGAGGG  
 -0399 CCGTCGCCCG TTGGGCCCTC AGGGGCCTGA ACGCCAGGGG GTCGCGGCGA  
 -0349 GTCCACCCGG AGCGAGTCAG GTGAGCAGGT CGCCATGGCG ATGCGGCCCC  
 -0299 GGAGAGCGCA CGCTGCCGC GGTCGGCATG GAAACGCTCC CGCTAGGTCC  
 -0249 GGGGGCGCCG CTGATTGGCC GATTCAACAG ACGCGGGTGG GCAGCTCAGC

-0199 CGCATCGCTA AGCCCCGGCG COTCCAGGC TGAATCCCT CGACACTTGG  
 GC-box 6  
 -0149 TCCTTCGCG CCGGCCCTTC CGTGCCCTGC CCTTCCCTGC CCTTCGCGG  
 GC-box 5 GC-box 4  
 -0099 CCTGCCGCG CCGGCCCGGC CCGGCCCTGC CCAACCCTGC CCGCCCTGC  
 GC-box 3 GC-box 2  
 -0049 CCGCGCAGC CGGCCACCTC TTAACGCGA TCCTCCAGTG CACTTGCCAG  
 GC-box 1 Myb  
 +0003 TTGTTCCGGA CACATAGAAA GATAACGACG GGAAAGACGGG GCCCGTTTG  
 Myb GATA-1 ets  
 +0053 GGGTCCAGGC AGGTTTTGGG GCCTCCTGTC TGGTGGGAGG AGGCCGCAGC  
 +0103 GCAGCACCT GCTCGTCACT TGGGATGGAG ACCGGCTTTC CGCAATCAT  
 E2F

FIG. 4

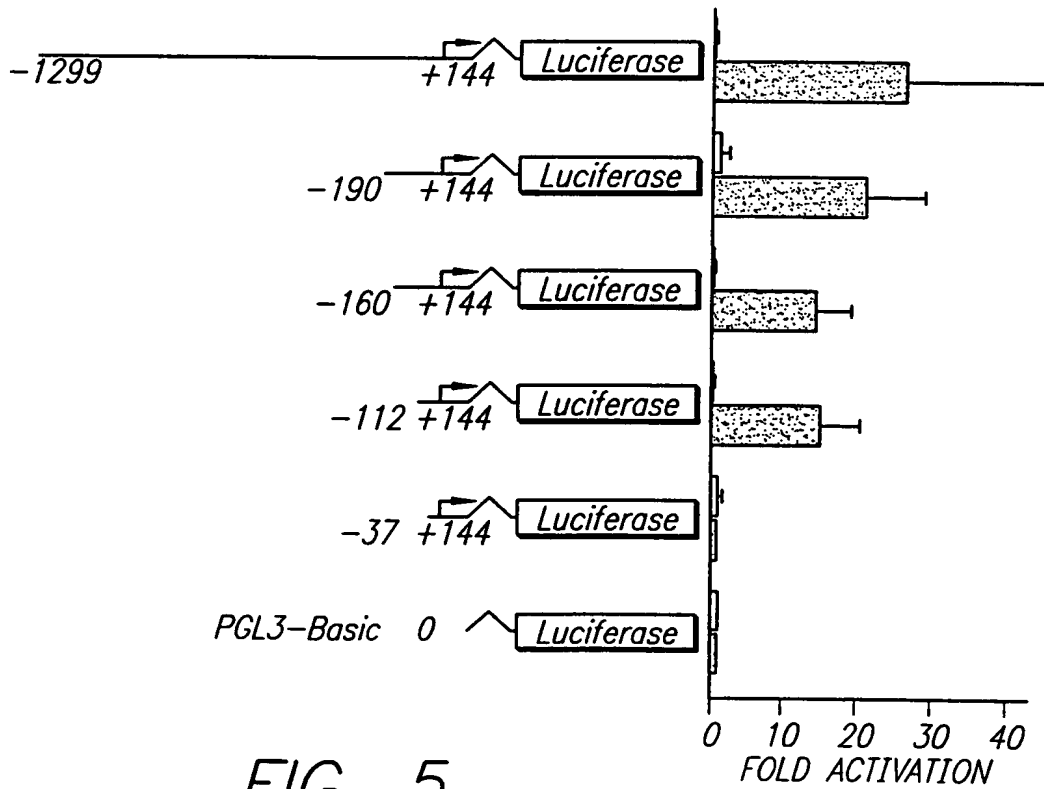
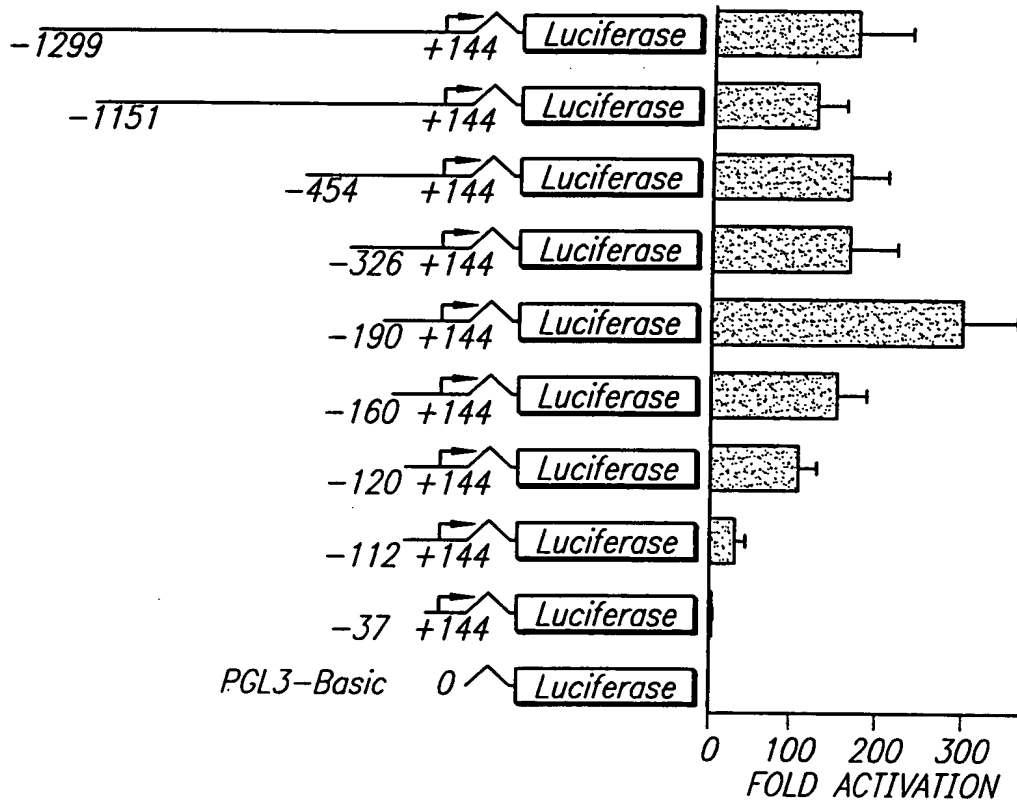


FIG. 5

FIG. 6

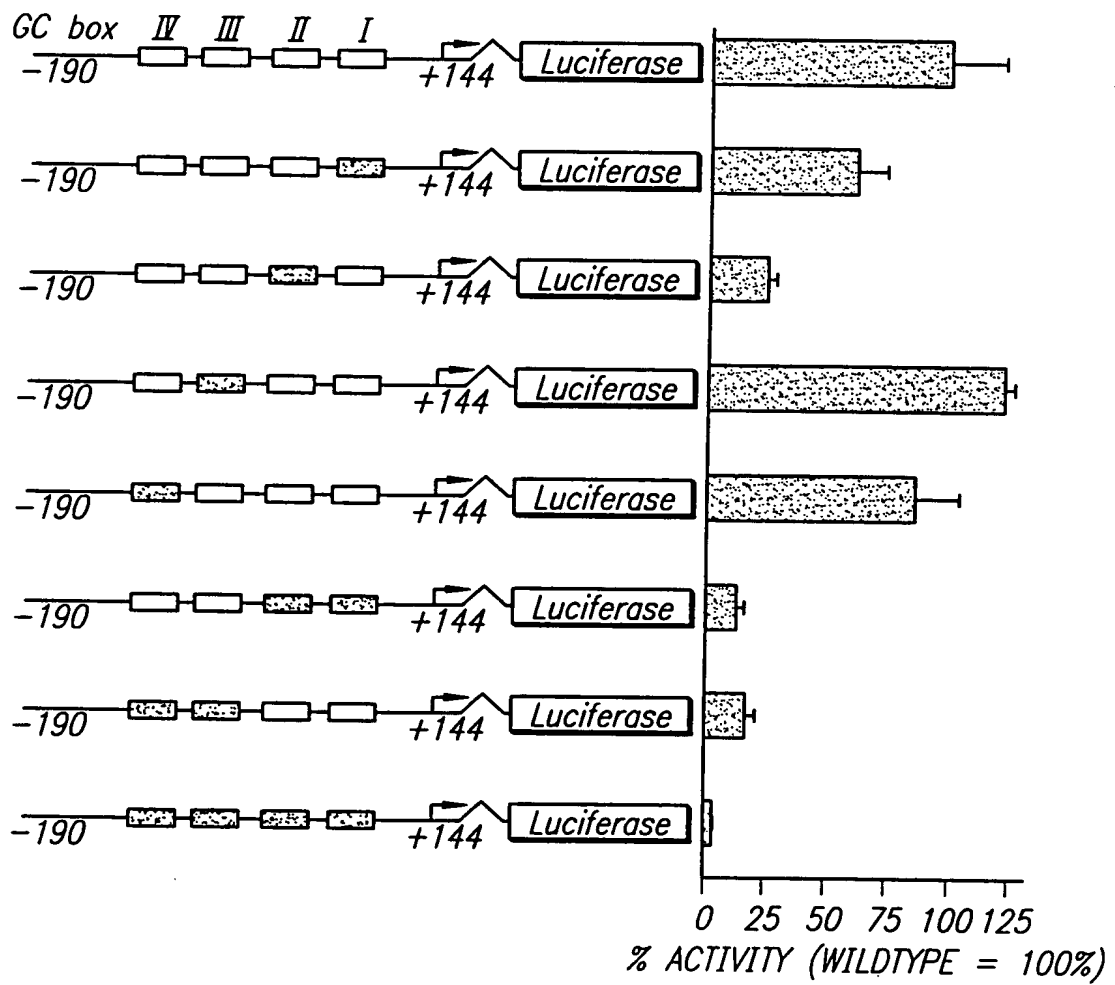
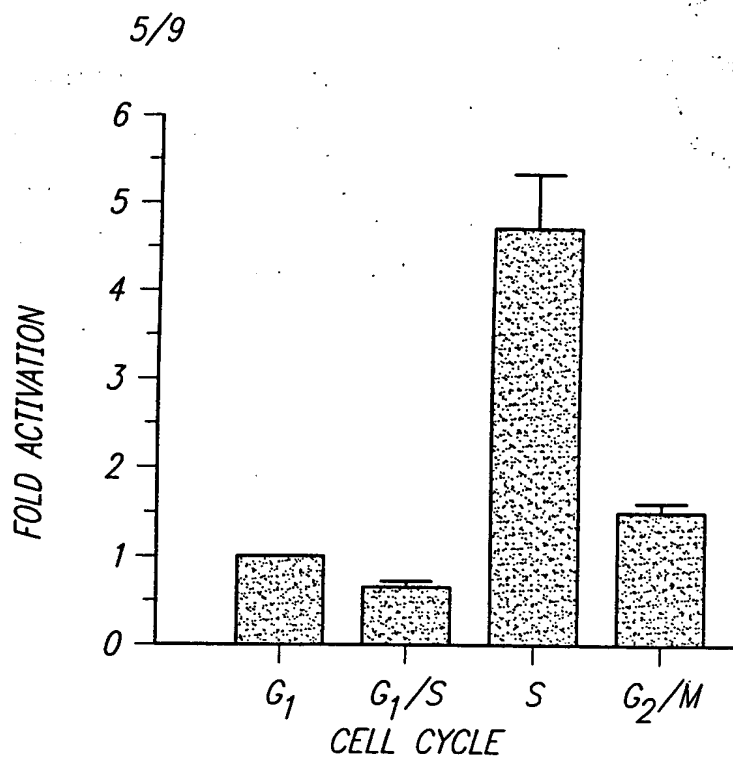


FIG. 7a



FOLD ACTIVATION (ACTIVITY AT 0 h=1)

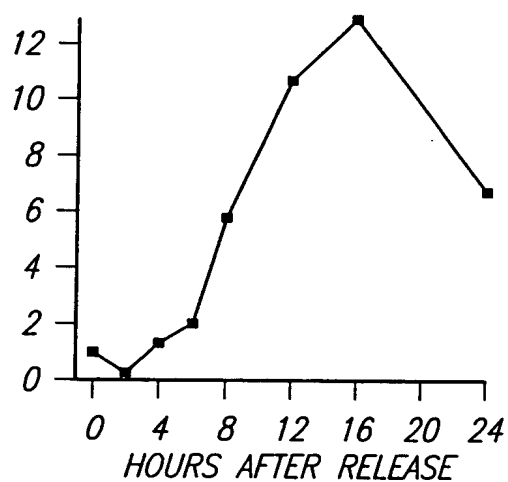
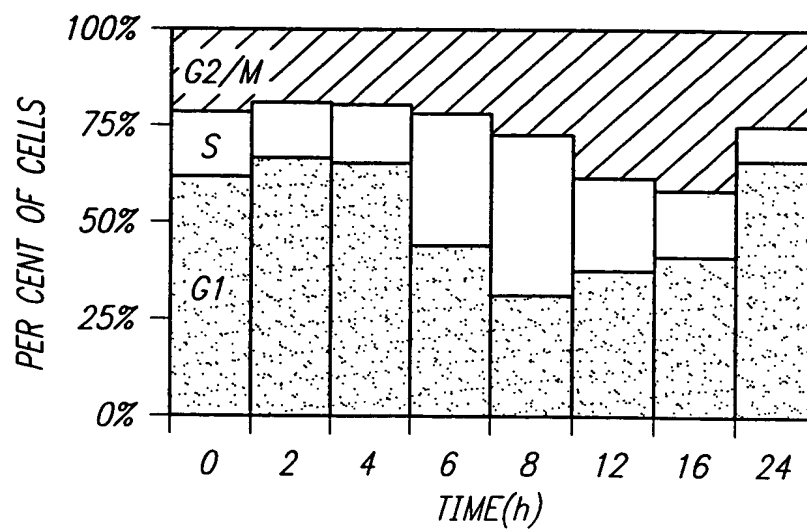


FIG. 7b

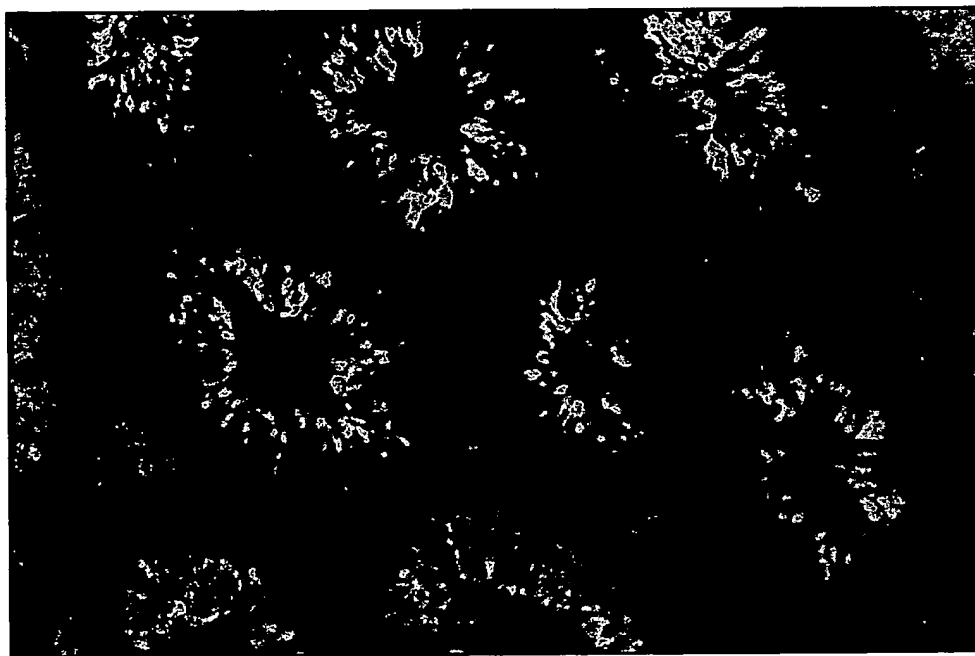
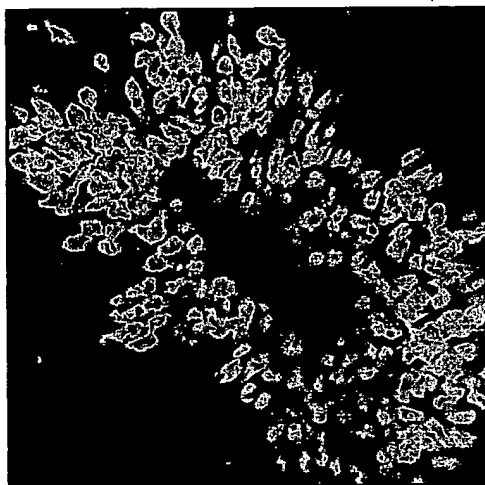
FIG. 7c



*FIG. 8a*



*FIG. 8b*



*FIG. 8c*

FIG. 9a

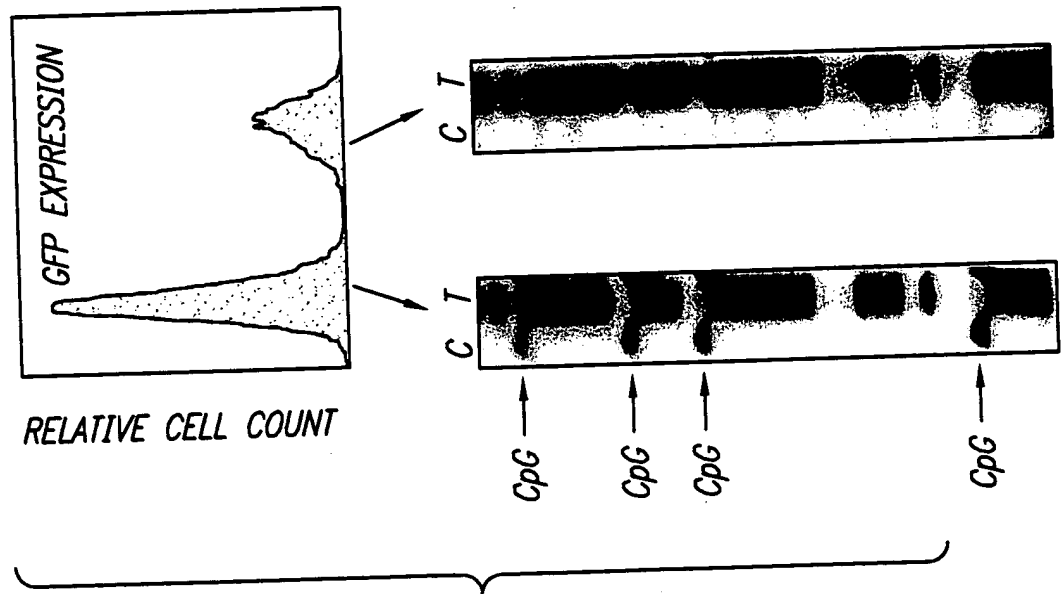


FIG. 9b

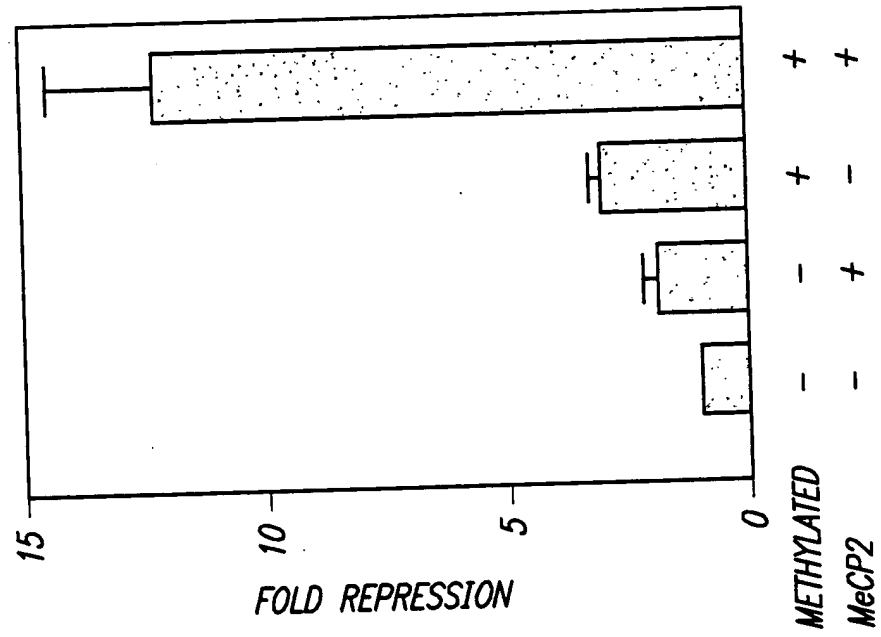




FIG. 10a

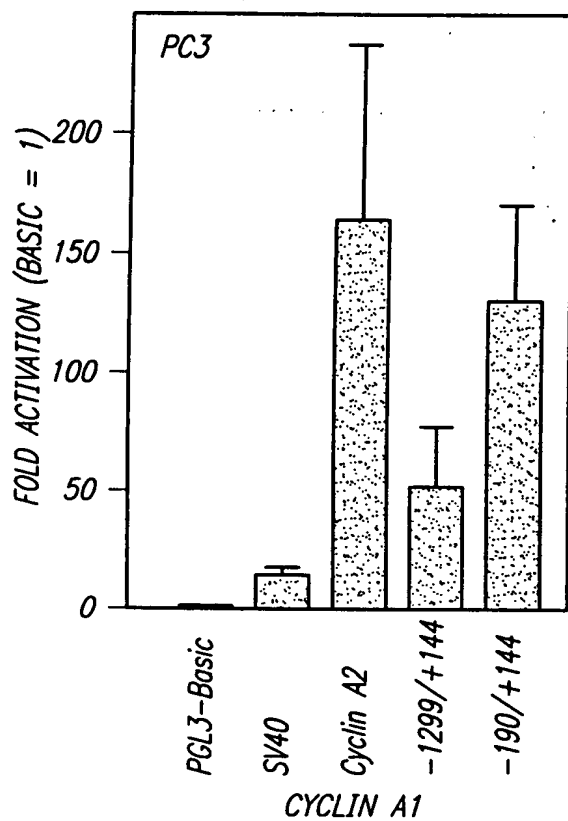


FIG. 10b

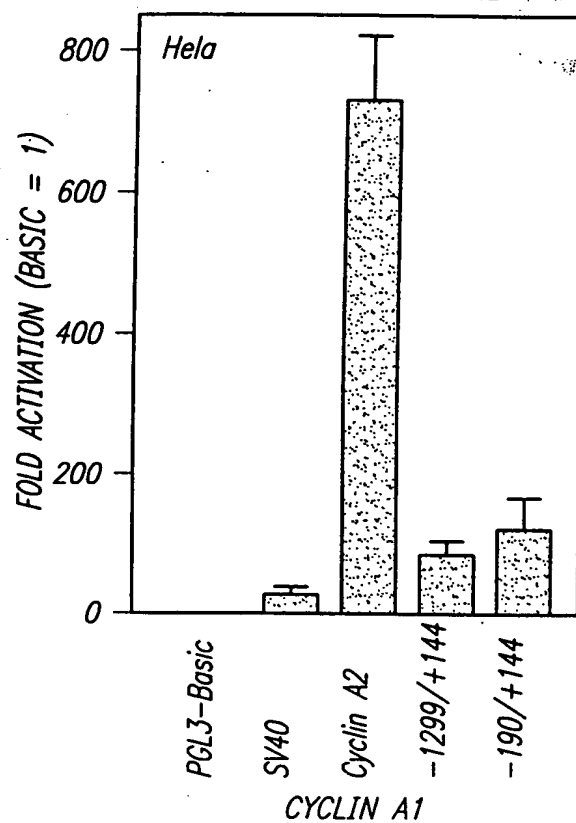


FIG. 10c

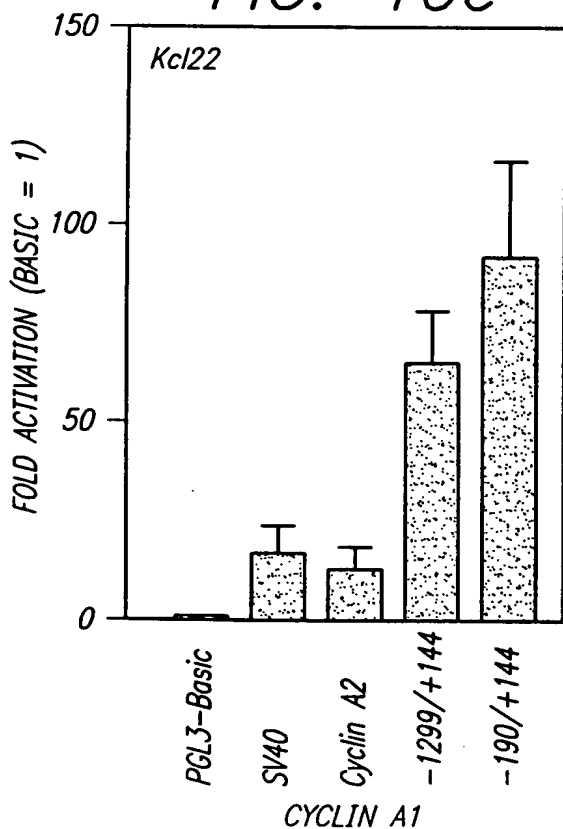


FIG. 10d

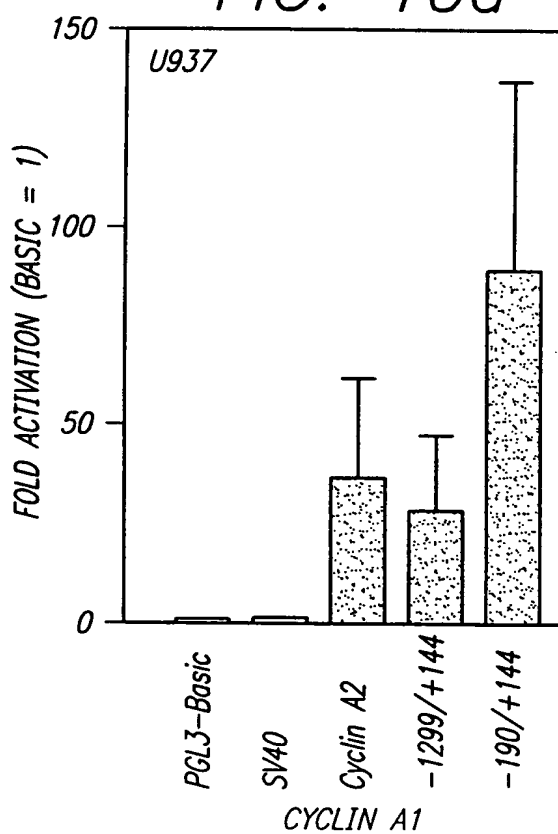


FIG. 11a

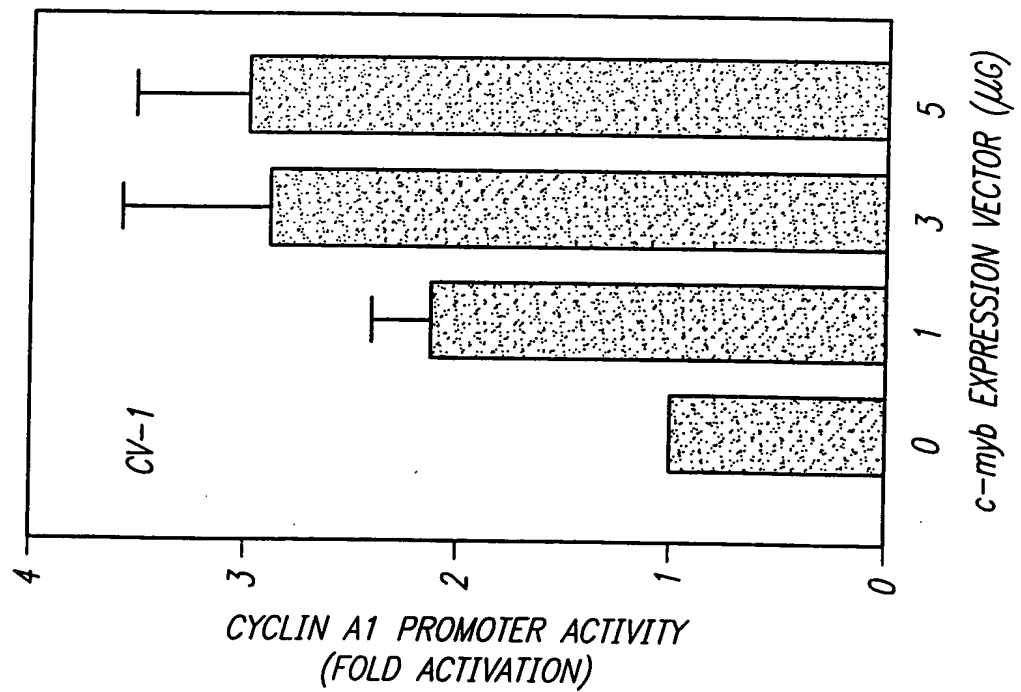


FIG. 11b

